Colombo.ST25
SEQUENCE LISTING

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       Paolo, Colombo

       Rosa, Passantino

       Angela, Bonura

<120> HYPOALLERGENIC VARIANTS OF PARIETARIA JUDAICA MAJOR ALLERGENS, USE
AND COMPOSITIONS THEREOF

<130> 82045 PCT

<160> 20

<170> PatentIn version 3.1

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Phe Val Gln Gly Lys Glu Lys Glu Pro Ser Lys Gly Cys Cys Ser Gly
                20   25   30

Ala Lys Arg Leu Asp Gly Glu Thr Lys Thr Gly Pro Gln Arg Val His
            35   40   45

Ala Cys Glu Cys Ile Gln Thr Ala Met Lys Thr Tyr Ser Asp Ile Asp
    50   55   60

Gly Lys Leu Val Ser Glu Val Pro Lys His Cys Gly Ile Val Asp Ser
65   70   75   80

Lys Leu Pro Pro Ile Asp Val Asn Met Asp Cys Lys Thr Val Gly Val
                85   90   95

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Val Pro Arg Gln Pro Gln Leu Pro Val Ser Leu Arg His Gly Pro Val
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Thr Gly Pro Ser Asp Pro Ala His Lys Ala Arg Leu Glu Arg Pro Gln
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Ile Arg Val Pro Pro Pro Ala Pro Glu Lys Ala
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Ala Lys Arg Leu Asp Gly Glu Thr Lys Thr Gly Pro Gln Arg Val His
            35              40              45

Ala Cys Glu Cys Ile Gln Thr Ala Met Lys Thr Tyr Ser Asp Ile Asp
        50              55              60

Gly Lys Leu Val Ser Glu Val Pro Lys His Cys Gly Ile Val Asp Ser
65              70              75              80

Lys Leu Pro Pro Ile Asp Val Asn Met Asp Cys Lys Thr Val Gly Val
                85              90              95

Val Pro Arg Gln Pro Gln Leu Pro Val Ser Leu Arg His Gly Pro Val
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Thr Gly Pro Ser Asp Pro Ala His Lys Ala Arg Leu Glu Arg Pro Gln
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Ile Arg Val Pro Pro Pro Ala Pro Glu Lys Ala
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1   5   10   15

Phe Val Lys Gly Glu Glu Lys Glu Pro Ser Lys Glu Cys Cys Ser Gly
            20   25   30

Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu
            35   40   45

Ala Cys Lys Cys Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys
    50   55   60

Asn Glu Leu Val Ala Glu Val Pro Lys Lys Cys Asp Ile Lys Thr Thr
65   70   75   80

Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Ser Lys Ile Gln Ser Thr
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Thr Lys Lys Leu Ser Glu Glu Val Lys Thr Thr Glu Gln Lys Arg Glu
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Ala Cys Lys Cys Ile Val Arg Ala Thr Lys Gly Ile Ser Gly Ile Lys
    50   55   60

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Asn Glu Leu Val Ala Glu Val Pro Lys Lys Cys Asp Ile Lys Thr Thr
65              70              75              80


Leu Pro Pro Ile Thr Ala Asp Phe Asp Cys Ser Lys Ile Gln Ser Thr
                85              90              95


Ile Phe Arg Gly Tyr Tyr
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